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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Jose I. Arno

Title : "Infrared Thermopile Detector System For Semiconductor Process Monitoring and Control"

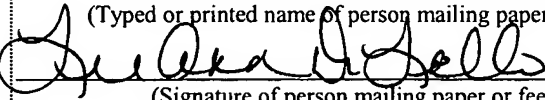
U.S. Serial No.: New Continuation of Prior Copending U.S. Patent Application No.  
10/623,244

Prior Application Filing Date: July 18, 2003

Prior Application Group Art Unit: 2812

Prior Application Examiner: TBA

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"Express Mail" mailing label number: <u>EV132466701US</u>
Date of Deposit: <u>December 9, 2003</u>
I hereby certify that this new patent application with filing fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
Lee Ann DiLello (Typed or printed name of person mailing paper or fee)
 (Signature of person mailing paper or fee)

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**INFORMATION DISCLOSURE STATEMENT**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☐ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b).
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ c. Attached is our check no. \_\_\_\_ in the amount of \$240 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. \_\_\_\_ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. \_\_\_\_ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).

- ☒ 4. (other): The relevance of these references is that they were cited during the prosecution of the parent application. Copies of these references are already of record and, therefore, new copies are not being submitted along with this statement under 37 CFR 1.98(d).

Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

  
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Date: December 9, 2003  
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FORM PTO-1449		US Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO.  ATMI-567-DIV-CON-2		SERIAL NO.  TBA	
INFORMATION DISCLOSURE STATEMENT  (use several sheets if necessary)				APPLICANT  Jose Arno			
				FILING DATE  Herewith		GROUP  TBA	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES      NO
							X (abstract only)
<b>OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)</b>							
	AA	Application Note of Thermopile IR Sensors, (Rev.02), Thermometrics Global Business, pgs. 1-9, and attachment pages, September 1999.					
	AB	Paul A. Wilks, Wilks Enterprise, "The Birth of Infrared Filometry", Spectroscopy SHOWCASE, Guest Editorial, pg. 14, March 2002.					
	AC	Jurgen Schilz, Perkin Elmer Optoelectronics, "Applications of Thermoelectric Infrared Sensors (Thermopiles): Gas Detection by Infrared Absorption; NDIR, pgs. 1-11.					
	AD	Peter Adrian, Sensor Business Digest, Vital Information Publication, "Sensor Business Digest SENSOR INDUSTRY DEVELOPMENTS AND TRENDS, October 2001.					
Continue on Page							
EXAMINER					DATE CONSIDERED		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							